

CURRICULUM VITAE

- A. Robert Fulton Murray, Jr.
- B. Born: ---
- C. Business Address: Box 75, College of Medicine, Howard University
520 "W" St., N.W., Washington, D.C., 20059
Telephone: (202)806-6382/6340; (202)806-7934 fax
- D. Military service: U.S. Public Health Service 1962-1965
(Assigned to National Institutes of Health)
- E. **Academic Training:**
1. Union College - B.S./Pre. Med. ---
 2. University of Rochester ---
School of Medicine & Dentistry-M.D. (---)
 3. University of Heidelberg ---
Rotary Foundation Fellowship (Biochemistry)
 4. University of Washington, Seattle, Washington ---
Master of Science, Genetics
- F. **Post Graduate Training:**
1. Rotating Internship
Denver General Hospital
Denver, Colorado ---
 2. Residency in Internal Medicine
Colorado General Hospital
University of Colorado Medical Center
Denver, Colorado ---
 3. Senior Fellow in Medical Genetics
University of Washington
School of Medicine
Seattle, Washington ---

G. Research Training :

1. Medical Student Fellow in Biochemistry - Summers
University of Rochester School of Medicine
Rochester, New York ---
2. Staff Investigator, NIH, NIAMD, Biometry Branch,
Geographic Medicine Section, - Studies of polymorphic
proteins and their relationship to disease ---

H. Academic and Administrative Appointments:

1. Assistant Professor, Pediatrics & Medicine 1967-1971
2. Chief, Medical Genetics Unit, Department of
Pediatrics and Child Health 1968-1975
3. Associate Professor, Pediatrics & Medicine 1971-1975
4. Chief, Division of Medical Genetics, Department
of Pediatrics and Child Health 1975-
5. Professor, Pediatrics & Medicine 1975-
6. Chairman, Department of Genetics and Human
Genetics, Graduate School of Arts & Sciences 1976-
7. Graduate Professor, Genetics and Human Genetics 1976-
8. Professor, Oncology, Department of Oncology 1977-1992

I. Licensure and Certification in Speciality:

1. Diplomate, National Board of Medical Examiners ---
2. Colorado ---
3. District of Columbia ---
4. Diplomate, American Board of Internal Medicine ---
5. Diplomate, American Board of Medical Genetics ---

J. Membership in Medical and Scientific Societies:

1. Associate Member, Sigma Xi ---
2. Associate Member, Denver and Colorado Medical
Societies 1960-1968
3. Associate Member, American Medical Association 1960-1968
4. Full Member, Sigma Xi, Howard University Chapter ---
5. American Association for the Advancement of
Science 1968-
6. American Society of Human Genetics 1971-

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| a. Member, Social Issues Committee | 1972-1976 |
| 7. Environmental Mutagen Society | 1972-1976 |
| 8. Genetics Society of America | 1973- |
| 9. Society for Social Biology | 1971- |
| a. Member, Board of Directors | 1971-1977 |
| 10. D.C. Medical Society | 1976-1982 |
| 11. Association of Academic Minority Physicians | 1989- |
| 12. Washington Academy of Medicine | 1990- |

K. Honors and Awards:

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| 1. Fellow, American College of Physicians | --- |
| 2. Sigma Xi, Full Member | --- |
| 3. Fellow, Institute of Society, Ethics and the Life
Sciences Hastings Center, Hastings-on-Hudson,
New York | 1970 |
| a. Member, Board of Directors | 1972- |
| 4. Fellow, American Association for the Advance-
ment of Science | 1972 |
| 5. Outstanding Faculty Researcher, Research Comm-
ittee Award, Howard University College of
Medicine | 1974 |
| 6. Member, Institute of Medicine, National Academy of
Sciences | 1975 |
| a. Governing Council | 1983-1985 |
| 7. Senior Scholar-in-Residence, Institute of Medicine,
National Academy of Sciences | 1980-1981 |
| 8. Who's Who Among American Blacks | 1977 |
| 9. Who's Who in America | 1979 |
| 10. Who's Who in the East | 1977 |
| 11. American Men and Women of Science | 1980 |
| 12. Alpha Omega Alpha, National Medical Honor Society,
Howard University Chapter | 1984 |
| 13. Member, National Advisory General Medical
Sciences, Council, NIGMS, NIH | 1971-1975 |
| 14. Member, Mammalian Genetics Study Section,
Division of Research Grants, National Institutes
of Health | 1979-1983 |
| 15. Member, Bioethics Committee, National Foun-
dation-March of Dimes, White Plains, N.Y. | 1975- |

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| 16. | Member, Bioethics Advisory Committee, Secretary, DHEW(Later DHHS). | 1977-1980 |
| 17. | Member, Panel on Health Promotion Disease Prevention, Institute of Medicine, NAS | 1981-1984 |

L. Other Professional Activities:

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| 1. | Chairman, Ad Hoc Committee on S-Hemoglobinopathies, National Research Council, National Academy of Sciences | 1972 |
| 2. | Course Director, AAAS Chautauqua Type Short Courses (NSF) "Genetics and Society" (for small college teachers) | 1972,74,76,
77,79,81-83 |
| 3. | Scientific Advisory Board, National Sickle Cell Anemia Foundation, Inc. | 1972- |
| 4. | Member, Committee for the Study of Inborn Errors of Metabolism, Division of Medical Sciences, National Research Council, NAS | 1972-1975 |
| 5. | Member, Commission on Science Education, AAAS | 1973-1974 |
| 6. | Member, Committee for the Study and Evaluation for Cystic Fibrosis, National Research Council, National Academy of Sciences | 1974-1975 |
| 7. | Member, Committee on Maternal and Child Health Research, National Research Council, National Academy of Sciences | 1975-1976. |
| 8. | Editorial Advisory Board, <u>Encyclopedia of Bioethics</u> , editor-in-chief, W.T. Reich, Publisher the Free Press, a Division of Macmillan Publishing Co., Inc. | 1975-1977 |
| 9. | Editorial Board, American Journal of Medical Genetics | 1977-1994 |
| 10. | Member, Advisory Board, Center for Education in Human and Medical Genetics; Biological Sciences Curriculum Study, Boulder, Colorado | 1979-1985 |
| 11. | Chairman, Mayor's Advisory Committee on Metabolic Disorders of the District of Columbia | 1980-1989 |
| 12. | Chairman, Committee to Study Scientific Evidence Relevant to Mandatory Age Retirement for Airline Pilots, Institute of Medicine, National Academy of | |

	Sciences	1980-1981
13.	Member, Committee to Study the Health-Related Effects of Cannabis and Its Derivatives, Institute of Medicine, National Academy of Sciences	1981-1982
14.	Member, Advisory Panel on Occupational Genetic Testing, Office of Technology Assessment	1982-1983
15.	Member, Committee to Study the Health Consequences of Bereavement, Institute of Medicine, National Academy of Sciences	1983-1984
16.	Member, Subcommittee on Human Gene Therapy of the Recombinant DNA Advisory Committee, NIH	1984- 1992
17.	Member, Research Panel. Committee on a National Strategy for AIDS. Institute of Medicine and National Academy of Sciences.	1986
18.	Member, National Committee on Regional Genetics Networks. Steering and Sickle Cell Committees	1986-1991
19.	Member, Advisory Council on Education for Health to the American Council of Life Insurance and the Insurance Association of America.	1986-94
20.	Member, Safe Drinking water Subcommittee on DNA Adducts. NRC, National Academy of Sciences,	1987-88.
21.	Co-chairman, Panel on Opportunities for Research on	Prevention and
	Treatment of Alcohol Problems. Institute of Medicine, National Academy of Science	1987-88
22.	Member, Recombinant DNA Advisory Committee, NIH	1988-92
23.	Member, Working Group on Ethics, Law and Social Issues, Human Genome Project, NIH	1989-95
24.	Member, Secretary's Blue Ribbon Committee on the Prevention of Violence. Howard University/DHHS.	1992
25.	Advisory Committee, Cystic Fibrosis: Implications of	Population Carrier
	Screening, Office of Technology Assessment	1991-1992
26.	Committee on Assessing Genetic Risks, Institute of Medicine, National Academy of Sciences.	1992-94
27.	Member, President's Task Force on Health Reform, Working Group on Medical Ethics	1993
28.	Committee on Genetics, Health and Behavior, Institute of	Medicine, National
	Academy of Sciences.	1995-97

M. Other Activities:

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| 1. | American Association of University Professors | 1969- Present |
| | a. Vice President, Howard University Chapter | 1969-71 |
| 2. | Board of Trustees, Union College, Schenectady,
New York | 1972-80 |
| 3. | Member, Council of the University Senate,
Howard University | 1980- 82
1994-98 |
| 4. | Vice President, University Senate, Howard
University | 1982-84
1988-90
1990-92 |
| | Acting President & Vice President | |
| 5. | Chairman, Institutional Biohazard Committee,
Howard University | 1979-2002 |
| 6. | Member, Institutional Review Board, Howard
University | 1978- 2001 |
| 7. | Task Force on One Third of a Nation; National
Conference; Subcommittee on Health Issue Area
Howard University. | 1988-89 |
| 8. | Chairman, Bioethics Committee, Howard Univer-
sity Hospital. | 1987- Present |
| 9. | Faculty Advisory Committee, President's Strate-
gic Planning Committee. | 1996-98 |

BIBLIOGRAPHY

1. Blumberg, B.S., Murray, R.F., Jr., Allison, A.C., Barnicot, N.A., Hirschfield, J., and Krimbas, C: Serum protein polymorphisms in Greek populations. Ann. Hum. Genet. 28:189-194, 1964.
2. Murray, R.F., Jr., Robinson, J.C., and Blumberg, B.S.: A new variant of transferrin from Greece. Nature 204:382-383, 1964.
3. Murray, R.F., Jr., and Blumberg, B.S.: Precipitin activity in the sera of patients with deficiency of B-lipoproteins (Acanthocytosis). Nature 208:357-359, 1965.
4. Murray, R.F., Jr., Robinson, J.C., and Visnich, S.: Observations on the inheritance of hypohaptoglobulinemia. Acta Genetica et. Stat. Med. 16:113-121, 1966.

5. Murray, R.F., Jr., Robinson, J.C., Dublin, T.D., Pitt, Elaine, and Visnich, S.: The haptoglobins and rheumatic fever. Brit. Med. J. 1:762-765, 26 March, 1966.
6. Morrison, M., Hollocher, T., Murray, R.F., Marinetti, G., and Stotz, E.: The isolation of cytochrome C by salt extraction. Biochem. Biophys. Acta 41:334-338, 1960.
7. Murray, R.F., Jr., and Ball, Judith, A.: Testis-specific and sex-associated hexokinases in *Drosophila Melanogaster*. Science 156:81-82, 1967.
8. Murray, R.F., Jr., and Robinson, J.C.: Observations on the distributions of group specific component (Gc) types in subjects who have rheumatic fever. Acta et. Stat. Med. 18:399-405, 1968. Genet.
9. Murray, R.F., Jr.: Genetic Counseling in clinical medicine. Chapter 12, in Medical Genetics for the Clinician (Lippincott, Phila., 1968), p. 143.
10. Murray, R.F., Jr.: Genetics and cardiovascular disease: A selected review. Chapter 13, in Medical Genetics for the Clinician, (Lippincott, Phila, 1968), p. 159.
11. Murray, R.F., Jr.: Genetic Counseling in pediatric practice. J.N.M.A. 61:54-59, 1969.
12. Murray, R.F., Jr.: A Search for Isoenzyme Variation in Human Liver During Development and in Adulthood. Master's Thesis, University of Washington, 1968.
13. Murray, R.F., Jr. and Motulsky, A.G.: Developmental variation in the isoenzymes of human liver and gastric alcohol dehydrogenase. Science 171:71-72, 1971.
14. Murray, R.F., Jr., Hobbs, J., and Payne, B.: G6PD isoenzymes of wart tissue in Afro-American females. Nature 232:51, 1971.
15. Murray, R.F., Jr.: The ethical and moral values of Black Americans and population. In (eds) Callahan, D. and Veatch, R., Population Policy, Ethics, and the American Tradition. (Task Force Report to the President's Commission on Population Growth and the American Future), 1972.

16. Murray, R.F., Jr.: Ethical aspects of population policy from the perspective of the population geneticist. In (eds) Callahan, D. and Veatch, R., Population Policy, Ethics, and the American Tradition. (Task Force Report to the President's Commission on Population Growth and the American Future), 1972.
17. Headings, V.E. and Murray, R.F., Jr.: Medical genetics: An esoteric science or an aid to patient care? Med. Ann. of D.C. 40:496-500, 1971.
18. Murray, R.F., Jr. and Rosser, P.L., co-editors: Genetic, Metabolic and Developmental Aspects of Mental Retardation. C. Thomas, Springfield, Ill., 1972.
19. Murray, R.F., Jr.: Simple Mental Retardation in Genetic, Metabolic and Developmental Aspects of Mental Retardation. C. Thomas, Springfield, Ill., 1972.
20. Murray, R.F., Jr., and Price, P.: Developmental and polymorphic variation in human liver alcohol dehydrogenase. Ann. N.Y. Acad. of Sci. 197: 68-72, 1972.
21. Murray, R.F., Jr.: Teaching the Ethics of Genetic Counseling in the Framework of a Medical Genetics Curriculum in The Teaching of Medical Ethics. Eds. R.M. Veatch, W. Gaylin and C. Morgan, Hastings Center Publication, pp. 124-128, 1972.
22. Murray, R.F., Jr.: Ethical and moral aspects of genetic knowledge and counseling. in To Create a Different Future. (Ed) Vaux, K., Friendship Press, N.Y., pp. 67-83, 1972.
23. Murray, R.F., Jr.: Ethical aspects of screening and genetic counseling: A practitioner's view. Fogarty International Center Proceedings. Eds. B. Hilton, D. Callahan, M. Harris, P. Condliffe and B. Berkeley, Plenum Press, N.Y., 1973.
24. Murray, R.F., Jr.: The S-hemoglobinopathies: An Evaluation of Their Status in the Armed Forces. National Academy of Science, National Research Council, 1973.
25. Murray, R.F., Jr.: The humanization of medical practice. Medical Di-

mensions 2:9, 1973.

26. Murray, R.F., Jr.: Teaching medical ethics in the framework of a medical genetics curriculum. The Teaching of Medical Ethics. (Eds) Veatch, R.M., Gaylin, W. and Morgan, C. A Hastings Center Publication, Hastings-on-Hudson, N.Y., 1973.
27. Murray, R.F., Jr.: Ethical problems in genetic counseling. Ghana Med. J. 12:304-309, 1973.
28. Simpson, J.L., Murray, R.F., Jr., Smith, H.L., Hirschhorn, K. and Lappe, M.: Symposium, Ethics of Genetic Counseling. Contemporary OB/GYN, Vol. 2, No. 4, October, 1973.
29. Murray, R.F., Jr.: An approach to effective genetic counseling in sickle cell anemia and other hemoglobinopathies in Problems in Comprehensive Ambulatory Health Care for High risk Adolescents. Edit. J.E. Fielding, Publisher Job Corps, Manpower Administration, Department of Labor, 1973.
30. Murray, R.F., Jr.: Genetic counseling in sickle cell anemia and related hemoglobinopathies. Urban Health 2:28, 1973.
31. Murray, R.F., Jr.: The practitioner's view of the values involved in genetic screening and counseling: Individual vs. societal imperatives, in Ethical, Social and Legal Dimensions of Screening for Human Genetic Disease, Birth Defects Orig. Art. Ser., National Foundation/March of Dimes, Vol. X, No. 6, 1974.
32. Murray, R.F., Jr. (editor): Handbook for Genetic Counseling in Hemoglobinopathies, Howard University Center for Sickle Cell Disease, 1974.
33. Murray, R.F., Jr.: Basic concepts in genetic counseling in Handbook for Genetic Counseling in Hemoglobinopathies, Howard University Center for Sickle Cell Disease, 1974.
34. Murray, R.F., Jr.: Drug treatment or drug addiction? (Can a physician differentiate between a true sickle cell crisis and iatrogenic narcotic addiction?), Case Studies in Bioethics. The Hastings Center Report, Hastings-on-Hudson, N.Y., Vol. 4, No. 3, June, 1974.

35. Murray, R.F., Jr.: Genetic Disease and Human Health: A Clinical Perspective. The Hastings Center Report, Hastings-on-Hudson, N.Y., Vol. 4, No. 4, September, 1974.
36. Murray, R.F., Jr.: Soliloquy on Screening. New Eng. J. Med. 291, Correspondence, October 10, 1974.
37. Murray, R.F., Jr.: Medical genetics and black related diseases in Text-book of Black Related Diseases, Edit. R.A. Williams, McGraw Hill, New York, New York, 1975.
38. Murray, R.F., Jr.: Genetic Counseling: An evolving tool in developmental behavior genetics in Developmental Human Behavior Genetics: Nature- ~~Nature~~ Redefined, Edit. K.W. Shaie, D.C. Health and Co., Los Angeles, Ca., 1975.
39. Murray, R.F., Jr.: Unsolved mysteries in genetic counseling in Sickle Cell Anemia and Other Hemoglobinopathies. Academic Press Inc., New York, New York, 1975.
40. Murray, R.F., Jr.: Ethical problems in genetic counseling in Genetics and the Quality of ~~Life~~, (eds) Charles Birch and Paul Abrecht, Pergamon Press, Australia, Oxford and Elmsford, N.Y., 1975.
41. Murray, R.F., Jr., and Quinton. B.A.: Learning Disabilities and Genetic Variables in Basic Visual Processes and Learning Disability, edit. G. Leisman, Charles C. Thomas publisher, Springfield, Ill., pp. 40-57, 1976.
42. Ogunye, O.O., Murray, R.F., Jr., and Osgood, T.P.: G6PD, HbM with Oligophrenia: Absence of evidence for linkage in man. Human Heredity, 25:493-500, 1975.
43. Murray, R.F., Jr.: Maldistribution of the benefits of gene technology: How can it be avoided? in Ethical and Scientific Issues Posed by Human Uses of Molecular Genetics, N.Y. Academic of Sciences, 265: 163-167, 1976.

44. Murray, R.F., Jr.: Psycho-social aspects of genetic counseling; Social Work in Health Care 2 (1), Fall, 1976.
45. Murray, R.F., Jr.: Commentary on Genes, Behavior and What Will Become of Us by Krooth, R.S.; Man and Medicine 1:273-276, 1976.
46. Murray, R.F., Jr.: The Perspectives of the Population Geneticist, in Population Policy and Ethics: The American Experience, (edit) R.M. Veatch, Irvington Publishers, Inc., New York, pp. 365-376, 1977.
47. Murray, R.F., Jr.: The Ethical and Moral Values of Black Americans and Population Policy, in Population Policy and Ethics: The American Experience, (edit) R.M. Veatch, Irvington Publishers, Inc., New York, pp. 197-210, 1977.
48. Murray, R.F., Jr.: Public Health Perspectives on Screening and Problems in Counseling in Sickle Cell Anemia in Genetic Issues in Public Health and Medicine, edited by Bernice Cohen, Ph.D., M.P.H., Charles C. Thomas publisher, Springfield, Illinois, 1978.
49. Murray, R.F., Jr.: Genetic Counseling in Encyclopedia of Bioethics, (ed) W.T. Reich, The Free Press, a Division of Macmillan Publishing Co., New York, 1978.
50. Murray, R.F., Jr.: Genetic Diagnosis in Encyclopedia of Bioethics, (ed) W.T. Reich, The Free Press, a Division of Macmillan Publishing Co., New York, 1978.
51. Murray, R.F., Jr.: Genetic Counseling: Boon or Bane?, in The Tricentennial People: Human Applications of the New Genetics; (ed) Sister Marguerite Newmann, Iowa State University Press, Ames, July, 1978.
52. Murray, R.F., Jr.: The Technique of Genetic Counseling in Medical Genetics: A Source for Physicians; (eds) L. Jackson and R.N. Schimke, John Wiley and Sons Publishers, 1978.
53. Murray, R.F., Jr.: The Geneticist's Perspective on a Case of Sickle Cell Anemia in Proceedings of the First National Sickle Cell Education Symposium. U.S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, DHEW Publication No. (NIH) 78-1084, pp. 25-29, 1978.

54. Murray, R.F., Jr.: Evaluation Aspects of Genetic Counseling. Proceedings of the First National Sickle Cell Education Symposium. U.S. Department of Health, Education and Welfare. Public Health Service, National Institutes of Health, DHEW Publication No. (NIH) 78-1084, pp. 93-97, 1978.
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56. Murray, R.F., Jr.: Genetic Health: A Dangerous, Probably Erroneous, and Perhaps Meaningless Concept. Chapter in Genetic Counseling: Facts, Values, and Norms, (eds) Capron, A.M., Lappe, M., Murray, R.F., Jr., Powledge, T.M. and Twiss, S.B. Birth Defects: Vol. XV, No. 2, pp.71-80, 1979.
57. Murray, R.F., Jr.: Word-of-Mouth Communication: Human Genetic Information for the Functionally Illiterate in the Biological Sciences Curriculum Study Journal. Vol. 2, No. 2, pp. 11-12, 1979.
58. Murray, R.F., Jr., Chamberlain, N., Fletcher, J., Hopkins, E., Jackson, R., King, P.A., Powledge, T.M.: Special Considerations for Minority Participation in Prenatal Diagnosis. JAMA, Vol. 243, No. 12, pp. 1254-1256, March, 1980.
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65. Murray, R.F., Jr.: Cultural and Ethnic Influences on the Genetic Counseling Process in Genetic Disorders and Birth Defects in Families and Society: Toward Interdisciplinary Understanding. March of Dimes Birth Defects Foundation, White Plains, N.Y., Vol. 20, No. 4, pp. 71-76, 1984.
66. Wooldridge, Edna Q., and Murray, Robert F., Jr.: The Psychodynamics Associated with Sickle Cell Gene Carrier Status in Strategies in Genetic Counseling: Clinical Investigation Studies. Eds. Beth A. Fine and Natalie W. Paul, Birth Defects: Original Article Series, Vol. 20, No. 6, pp. 169-186, 1984.
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68. Murray, R.F., Jr. : The Physician as the Guardian of the Public Welfare. in The Doctor as a Person . Edits, J. Van Eys and J.P. McGovern, C. Thomas, Springfield, Ill. pp 71-80, 1988.
69. Wooldridge, Edna Q., and Murray, R.F., Jr. : Feelings Associated with being a Sickle Cell Gene Carrier. J. Soc. Biol. 35: 123-136, 1989.
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72. Quinton, Barbara A. and Murray, R.F., Jr.: Delivering Genetic Services to Foster Children and Special Needs Adoptees. in Genetics and Adoption: Every Child Potentially a Special Needs Child. Proceedings of a Workshop. May, 1990. Univ. of Maryland at Baltimore, School of Social Work, Baltimore, MD pp. 59 - 67.
73. Murray, R.F., Jr. : Skin Color and Blood Pressure.(Editorial) J.A.M.A. 265: 639, 1991.
74. Committee to Identify Research Opportunities in the Prevention and Treatment of Alcohol-Related Problems. Roger E. Meyer and Robert F. Murray Jr., co-chairmen: Prevention and Treatment of Alcohol-Related Problems: Research Opportunities. J Studies on Alcohol 53: 5-16, 1992.
75. Murray, R.F., Jr.: Minority Perspectives on Biomedical Ethics. in Transcultural Dimensions of Medical Ethics. E.D. Pellegrino, ed.University Press, Washington, D.C., 1992.
76. Wallace, R.B. and Murray, R.F., Jr: Workshop I: High-Risk Populations-Screening and Prevention Research Strategies. in Proceedings of Conference. "Disease Prevention Research at NIH: An Agenda for All".Preventive Medicine 23: 569-570. 1994.
77. Murray, R.F., Jr.: Genetic Counseling, II. Ethical Issues in Encyclopedia of Bioethics, Editor-in-chief, Reich, Warren T., Revised edition, New York, Macmillan, c1995, vol 2, p. 927.
78. Murray, R.F., Jr.: Babies with Sickle Cell Trait: Opportunity or Complication? Ethical Issues in Proceedings of the 11th National Neonatal Screening Symposium., September 12 - 16, 1995 , Editors, B.L. Therrell and Barbara G. Aldis. p. 131 - 135.
79. Murray, R.F., jr. The Human Genome Project: Its Impact on Medical Practice, in The Human Genome Project and the Future of Health Care, Editors, Murray, T.H., Rothstein, M.A., and Murray, R.F., Jr., Indiana University Press, 1996.
80. Murray, T.H., Rothstein, M.A., and Murray, R.F., Jr. editors: The Human Genome Project and the Future of Health Care. Indiana University Press, 1996.
81. Murray, R.F., Jr. Genetics and Violence in Violence, from Biology to Society, Editors Grisolia, J.S., Sanmartin, J., Lujan, J.L. and Grisolia, S., Elsevier Press Amsterdam. Excerpta Medica. International Congress Series 1135, 1997.
82. Murray, R.F., Jr. The Ethics of Predictive Genetic Screening: Are the Benefits Worth the Risks? in Plain Talk About the Human Genome Project. Editors Edward Smith and Walter Sapp, Tuskegee University, Tuskegee, AL 36088, 1997.

83. Murray, R.F., Jr. Social and Medical Implications of New Genetic Techniques. in The Human Genome Project and Minority Communities: Ethical, Social and Political Dilemmas. editors, Raymond A. Zilinskas and Peter J. Balint, Praeger Publishers, Westport Connecticut and London, 2001.
84. Murray, R.F., Jr. Genetic Variation and Dietary Response. in World Review of Nutrition and Diet. editor, Artemis Simpopoulos, Karger, 2001.
85. Murray, R.F., Jr. Genetic Screening. in Encyclopedia of Genomics. 2003
86. Murray, R.F., Jr. Advances in Genomics: Methods and Their Application. IXth Annual Asian Conference on Nutrition, New Delhi, India. 2003 (in preparation).

AREAS OF EXPERTISE

1. Genetic counseling and genetic screening
2. Isoenzyme variation in development and disease
3. Isoenzymes and cancer
4. Inherited susceptibility to disease
5. Disease prevention/Health promotion
6. Bioethics (genetics, genetic technology and society, reproductive technology)
7. Medical Ethics
8. Science education
9. Ethical, legal and Social Issues in Genomics